

# Loading & Bearing Condition Sensor

THIS SENSOR SERVES FOR RAIL CAR LOADING, BEARING TEMPERATURE AND FLAT WHEEL DETECTION. MEASURES AND SENDS VALUES AT SET INTERVALS TO THE MAIN GPS MONITORING UNIT.

## USAGE AND CHARACTERISTICS

- » Multifunctional wireless rail car sensor
- » Part of Smart Wagon Solution
- » Bearing temperature sensor
- » Magnetic sensor measures the wagon loading
- » Vibration and flat wheel detection
- » Measures and sends values to the main GPS unit



## TECHNICAL PARAMETERS

<b>ANTENNA</b>	RF	Internal	
<b>BATTERIES</b>	Type and capacity	Li-SOCl2 - primary	14 Ah
	Battery life	Minimum 10 years   non-replaceable	
<b>SENSORS</b>	Magnetic sensor - Load sensor	5 mT, +/- 2 %	
		Measures distance from 30 to 150 mm	
	Temperature sensor	-35 °C up to 85 °C, +/- 0,5 °C	
<b>RF SENSOR INTERFACE</b>	Frequency	2,4 GHz	
	Type	Bluetooth, BT 5.0	
	Range	Up to 50 m	
	Data sending period - default	10 s	
<b>DIMENSIONS</b>	Plastic box (without metal holder)	85 x 43 x 42 mm	
<b>TEMPERATURE RANGE</b>		-35 °C up to 85 °C	
<b>PROTECTION CLASS</b>	IP68	Waterproof	
<b>WEIGHT</b>	With batteries (without metal holder)	100 g	